



#3 S.W.H. 8/26/02  
2674

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: PLOURDE ET AL. ART GROUP: 2614  
APPL. NO.: 10/010,270 EXAMINER: UNKNOWN  
FILED: DECEMBER 6, 2001 DOCKET NO.: A-7182  
TITLE: CONTROLLING SUBSTANTIALLY CONSTANT BUFFER  
CAPACITY FOR PERSONAL VIDEO RECORDING WITH  
CONSISTENT USER INTERFACE OF AVAILABLE DISK SPACE

MAY 31, 2002

RECEIVED  
JUN 12 2002  
Technology Cen.  
10

**TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, DC 20231

Sir:

Transmitted herewith for filing in the above-identified patent application, please find:

- 1.  3 Page Supplemental Information Disclosure Statement
- 2.  Form PTO-1449
- 3.  Return Postcard

In the event a fee is required, the Commissioner is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to our Deposit Account No. 19-0761. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted:

SEND CORRESPONDENCE TO:

By: *Kenneth M. Massaroni*  
KENNETH M. MASSARONI  
Attorney of Record  
Reg. No.: 33,015  
Phone: (770) 236-4717  
Fax No.: (770) 236-4806

**Certificate of Mailing**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents  
Washington, DC 20231

on MAY 31, 2002.

*Marcellen Licker*  
Marcellen Licker



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COPY OF PAPERS  
ORIGINALLY FILED

APPLICANTS: PLOURDE ET AL. GRP. ART UNIT: 2614  
APPL. NO.: 10/010,270 EXAMINER: UNKNOWN  
FILED: DECEMBER 6, 2001 DOCKET NO.: A-7182  
TITLE: CONTROLLING SUBSTANTIALLY CONSTANT BUFFER CAPACITY FOR  
PERSONAL VIDEO RECORDING WITH CONSISTENT USER INTERFACE  
OF AVAILABLE DISK SPACE

MAY 31, 2002

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

- under 37 CFR 1.97(b), or  
(within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- under 37 CFR 1.97(c) together with either a:  
 Statement Under 37 C.F.R. 1.97(e), or  
 a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)
- under 37 CFR 1.97(d) together with a:  
 Statement under 37 CFR 1.97(e), and  
 a \$180.00 petition fee set forth in 37 CFR 1.17(i)(1).  
(Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge \$0.00 to deposit account 19-0761. At any time during the pendency of this application, please charge any fees required to Deposit Account 19-0761 pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No. 19-0761.

- Applicant(s) submit herewith *Form PTO 1449 - Information Disclosure Citation* together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.

The Cited Art includes:

1. Scientific-Atlanta, Inc. Pending Application Serial #10/008,624, Atty. Docket #A-7313, filed December 6, 2001, Title: "Converting Time-Shift Buffering for Personal Video

RECEIVED  
JUN 12 2002  
Technology Center 2600

- Recording Into Permanent Recordings," Inventors: Harold J. Plourde, Jr. and Arturo A. Rodriguez
- 2. Scientific-Atlanta, Inc. Pending Application Serial #10/008,439, Atty. Docket #A-7314, filed December 6, 2001, Title: "Dividing and Managing Time-Shift Buffering Into Program Specific Segments Based on Defined Durations," Inventors: Harold J. Plourde, Jr. and Arturo A. Rodriguez
  - 3. Scientific-Atlanta, Inc. Pending Application Serial #10/010,781, Atty. Docket #A-7251, filed December 5, 2001, Title: "Application Management and Interface for Cluster Control of Time Shift Buffer," Inventor: Harold J. Plourde, Jr.
  - 4. Scientific-Atlanta, Inc. Pending Application Serial #10/005,628, Atty. Docket #A-7446, filed December 5, 2001, Title: "Disk Driver Cluster Management of Time Shift Buffer with File Allocation Table Structure," Inventor: Harold J. Plourde, Jr.
  - 5. Scientific-Atlanta, Inc. Pending Application Serial #10/015,349, Atty. Docket #A-7279, filed December 11, 2001, Title: "Controlling Personal Video Recording Functions from Interactive Television," Inventors: Mark E. Schutte and Valerie G. Gutknecht
  - 6. Scientific-Atlanta, Inc. Pending Application Serial #10/034,028, Atty. Docket #A-7316, filed December 20, 2001, Title: "Program Position User Interface for Personal Video Recording Time Shift Buffer," Inventors: Dariusz S. Kaminski and Robert O. Banker
  - 7. Scientific-Atlanta, Inc. Pending Application Serial #10/102,043, Atty. Docket #A-7484, filed March 20, 2002, Title: "Composite Buffering," Inventors: John Eric West and Arturo A. Rodriguez
  - 8. Scientific-Atlanta, Inc. Pending Application Serial #10/143,123, Atty. Docket #A-7315, filed May 10, 2002, Title: "Channel Buffering and Display Management System for Multi-Tuner Set-Top Box," Inventors: Arturo A. Rodriguez and Ramesh Nallur
  - 9. Scientific-Atlanta, Inc. Pending Application Serial #10/143,647, Atty. Docket #A-8142, filed May 10, 2002, Title: "Managing Time Shift Buffers," Inventors: Dariusz S. Kaminski, Arturo A. Rodriguez, Robert O. Banker and Valerie G. Gutknecht

A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on the form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

By:



**SEND CORRESPONDENCE TO:**  
Scientific-Atlanta, Inc.  
Intellectual Property Dept. MS 4.3.518  
5030 Sugarloaf Parkway  
Lawrenceville, GA 30044

KENNETH M. MASSARONI  
Attorney of Record  
Reg. No.: 33,015  
Phone: (770) 236-4717  
Fax No.: (770) 236-4806

**Certificate of Mailing**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents  
Washington, DC 20231

on MAY 31, 2002.

  
Maryellen Licker

Form PTO-1449

U.S. Dept. of Commerce, Patent and Trademarks  
**LIST OF ART CITED BY APPLICANT**  
(Use several sheets if necessary)

Attorney Docket No.  
CA-7182Serial No.  
10/010,270Filing Date  
DECEMBER 6, 2001Applicant:  
PLOURDE ET AL.Group  
2614**U.S. PATENT DOCUMENTS**

Examiner's Initial		Document No.	Date	Name	Class	Subclass	
	AA						
	AB						

**FOREIGN PATENT DOCUMENTS**

		Document No.	Date	Country	Class	Subclass	Translation
	AC						
	AD						

**OTHER PRIOR ART (Including Author Title, Date, Pertinent Pages, Etc.)**

	AE	Scientific-Atlanta, Inc. Pending Application Serial #10/008,624, Atty. Docket #A-7313, filed December 6, 2001, Title: "Converting Time-Shift Buffering for Personal Video Recording Into Permanent Recordings," Inventors: Harold J. Plourde, Jr. and Arturo A. Rodriguez
	AF	Scientific-Atlanta, Inc. Pending Application Serial #10/008,439, Atty. Docket #A-7314, filed December 6, 2001, Title: "Dividing and Managing Time-Shift Buffering Into Program Specific Segments Based on Defined Durations," Inventors: Harold J. Plourde, Jr. and Arturo A. Rodriguez
	AG	Scientific-Atlanta, Inc. Pending Application Serial #10/010,781, Atty. Docket #A-7251, filed December 5, 2001, Title: "Application Management and Interface for Cluster Control of Time Shift Buffer," Inventor: Harold J. Plourde, Jr.
	AH	Scientific-Atlanta, Inc. Pending Application Serial #10/005,628, Atty. Docket #A-7446, filed December 5, 2001, Title: "Disk Driver Cluster Management of Time Shift Buffer with File Allocation Table Structure," Inventor: Harold J. Plourde, Jr.
	AI	Scientific-Atlanta, Inc. Pending Application Serial #10/015,349, Atty. Docket #A-7279, filed December 11, 2001, Title: "Controlling Personal Video Recording Functions from Interactive Television," Inventors: Mark E. Schutte and Valerie G. Gutknecht
	AJ	Scientific-Atlanta, Inc. Pending Application Serial #10/034,028, Atty. Docket #A-7316, filed December 20, 2001, Title: "Program Position User Interface for Personal Video Recording Time Shift Buffer," Inventors: Dariusz S. Kaminski and Robert O. Bunker
	AK	Scientific-Atlanta, Inc. Pending Application Serial #10/102,043, Atty. Docket #A-7484, filed March 20, 2002, Title: "Composite Buffering," Inventors: John Eric West and Arturo A. Rodriguez

**EXAMINER****DATE CONSIDERED:**

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance. Include copy of this form with next communication to Applicant.

Form PTO-1449

U.S. Dept. of Commerce, Patent and Trademarks  
**LIST OF ART CITED BY APPLICANT**  
 (Use several sheets if necessary)

Attorney Docket No. A-7182	Serial No. 10/010,270	Filing Date DECEMBER 6, 2001
-------------------------------	--------------------------	---------------------------------

Applicant: PLOURDE ET AL.	Group 2614
------------------------------	---------------

**U.S. PATENT DOCUMENTS**

Examiner's Initial		Document No.	Date	Name	Class	Subclass	RECEIVED JUN 12 2002 Technology Center Berger 2600
	AL						
	AM						
	AN						
	AO						

**FOREIGN PATENT DOCUMENTS**

		Document No.	Date	Country	Class	Subclass	Translation
	AP						
	AQ						
	AR						
	AS						

**OTHER PRIOR ART (Including Author Title, Date, Pertinent Pages, Etc.)**

	AT	Scientific-Atlanta, Inc. Pending Application Serial #10/143,123, Atty. Docket #A-7315, filed May 10, 2002, Title: "Channel Buffering and Display Management System for Multi-Tuner Set-Top Box," Inventors: Arturo A. Rodriguez and Ramesh Nallur
	AU	Scientific-Atlanta, Inc. Pending Application Serial #10/143,647, Atty. Docket #A-8142, filed May 10, 2002, Title: "Managing Time Shift Buffers," Inventors: Dariusz S. Kaminski, Arturo A. Rodriguez, Robert O. Bunker and Valerie G. Gutknecht
	AV	
	AW	
	AX	
	AY	
	AZ	
	AAA	
	ABB	

EXAMINER	DATE CONSIDERED:
----------	------------------

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance. Include copy of this form with next communication to Applicant.